

AMENDMENTS TO THE CLAIMS

1. (Currently Amended) A method for creating video programs, ~~which is based on using~~  
video shooting and forming computer images, ~~wherein comprising the steps of:~~

~~generating an image is formed by a computer, which includes said image including an~~  
image of objects in ~~the~~ a foreground and a background image;

~~displaying to a participant of a the video program, is shot with a video camera and a~~  
~~corresponding video image is obtained, at least said image of objects in the foreground;~~

*A' cant*  
~~an output video signal is formed with use of the video image of the participant of the~~  
video program and the image formed by the computer,  
characterized in that

~~at least objects of the foreground of the image formed by the computer are displayed to~~  
the participant of the video program;

~~shooting the participant of the video program is carried out in the process of by means of~~  
a video camera;

~~wherein said shooting is carried out during said step of displaying at least said image of~~  
objects of in the foreground of the image ~~formed by the computer to the participant of the video~~  
~~program to produce an obtained video image;~~

~~wherein said shooting is carried out with an aspect angle of approach of the shooting for~~  
providing ~~the~~ a possibility of reproducing in the obtained video image ~~the a reaction response~~  
of the participant of the video program to the displayed objects of the computer program; and

~~the combining said image formed by the computer is combined with the obtained video~~  
image of the participant of the video program by superimposing at least said image of objects in

an image of at least the objects of the foreground on the obtained video image of the participant;  
and the to produce an output video signal of a combined image is used for subsequent display to  
a user.

2. (Currently Amended) A The method according to claim 1, wherein ~~characterized in~~  
that

*A' could*  
the said step of shooting comprises shooting of the participant of the video program is carried  
out on a chromakey background; ~~and when the image of the objects of the foreground, which~~  
~~are formed by the computer, is combined with the video image of the participant of the video~~  
program;

said step of combining comprises replacing the chromakey background is replaced with  
said background image; and

said step of combining comprises replacing the chromakey background ~~or~~ with any other  
image.

3. (Currently Amended) A The method according to claim 1, ~~characterized in that~~  
further comprising:

providing a possibility to the participant of the video program is provided with the  
possibility of interacting to interact with the displayed objects ~~formed~~ generated by the computer  
and ~~of changing~~ to change the image of said objects.

4. (Currently Amended) A The method according to ~~any one of claims 1-3, characterized in that at least the claim 1, further comprising:~~

transmitting from a studio at least said video image of a the participant of a the video program, which is shot by a video camera in a studio; and data necessary for forming generating an said image with a by said computer are transmitted via a telecommunication network to a user device;

an generating an image is formed in the user device on the basis of based on said data received transmitted from the studio;

wherein said this image generated in said user device including an image of the objects of the a foreground and a background image;

combining the video image of the participant of the video program and the image formed by the user device are combined by superimposing the image of the objects of the foreground onto the video image of the participant; and;

displaying the combined image is displayed to the to a user.

5. (Currently Amended) A The method according to claim 4, 1, characterized in that further comprising:

inputting control commands are input to the user device; and the obtained control commands are used to form the image in the user device;

generating an image in the user device using said control commands;

transmitting said the control commands are transmitted through the telecommunication network into the studio; and

generating an image with said computer using said control commands.

~~the control commands received in the studio are used while forming an said image with the computer.~~

6. (Currently Amended) A The method according to claim 5, further comprising:  
~~characterized in that~~

shooting a the user ~~is effected with a~~ by said video camera; to obtain a video image of the user;

~~is transmitted~~ transmitting said video image of said user through a said  
telecommunication network to the studio;

receiving said video image of said user at said studio;

combining the video image of the user received in the studio ~~is combined~~ with objects of the foreground of the image formed by the computer in the studio by superimposing an image of said objects of the foreground on the video image of the user to obtain a combined image; and;  
displaying the combined image ~~is displayed~~ to a the participant of the video program.

7. (Currently Amended) A The method according to claim 6, further comprising:  
~~characterized in that~~

displaying the combined video image of the user and the objects of the foreground of the image formed by the computer ~~is used for display~~ to other users.

8. (Currently Amended) A system for creating video programs, ~~combining shooting with a video camera and forming images with a computer~~, primarily television programs, the system comprising:

a video camera for shooting a participant of a said video program; and

a means for ~~forming~~ generating an image including objects of ~~the~~ a foreground and a background image;

~~the video camera and the means being disposed in a studio,~~

~~characterized in that it comprises~~

wherein said video camera and said means for generating said image being disposed in a studio;

a means for displaying ~~at least~~ said objects of the foreground to the participant, ~~the~~ said means for displaying being connected to ~~the~~ said means for ~~forming an~~ generating said image;

and

a means for combining images;

wherein said means for combining images includes a first input, wherein said first input  
~~of which~~ is connected to an output of ~~the~~ said video camera, a second input connected to an output of the means for ~~forming an image~~ generating said image; and,

wherein said means for combining images ~~is made with the possibility of superimposing~~  
~~an~~ superimposes said image of the objects of the foreground on a video image of the participant.

9. (Currently Amended) A The system according to claim 8, ~~characterized in that~~  
wherein said means for displaying ~~is made so that the~~ provides an image displayed to the participant; and intersects

means for intersecting a ~~the~~ line of shooting the participant with the video camera.

10. (Currently Amended) A The system according to claim 9, ~~characterized in that~~  
wherein said means for displaying comprises:

a screen, coupled to a said means for ~~forming~~ generating said images and mounted ~~disposed outside the limits of the~~ a field of view of the video camera;

a semitransparent mirror, optically conjugated with said screen and mounted ~~disposed~~ on the line of shooting the participant with the video camera, at an angle to said line of shooting to ~~provide the possibility of forming~~ generate a reflected image; and to be

wherein said reflected image being displayed to the participant in a plane substantially perpendicular to the line of shooting.

11. (Currently Amended) A The system according to claim 8, further comprising: any ~~one of claims 8-10, characterized in that it comprises~~

a means for interactive interaction of the participant with said image of the objects of the displayed objects image; and, ~~the means being coupled to the means for forming an image.~~

wherein said means for interactive interaction being coupled to said means for generating said images.

12. (Currently Amended) A The system according to claim 11, wherein ~~characterized in that said means for interactive interaction~~ further comprises ~~is made in the form of~~ a means for determining the a position and orientation of the participant.

13. (Currently Amended) A The system according to claim 10, further comprises: any ~~one of claims 8-12, characterized in that it comprises~~

a channel of a telecommunication network;

a connection unit coupled by two-way communication to the channel of the telecommunication network, to ~~the~~ said means for ~~forming~~ generating said images and to ~~the~~ said means for combining said images;

at least one user device comprising:

a user means for ~~forming~~ generating said ~~an~~ image of ~~the~~ objects in the foreground and a the background image;

a user connection unit coupled by two-way communication to the channel of the telecommunication network and to ~~the~~ said user means for generating said images; ~~forming an~~ image;

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cont'd

a user means for combining images of the foreground with said ~~a video~~ image of a the participant of a the video program, sent over the channel of the telecommunication network, ~~and made with the possibility of~~ by superimposing ~~the~~ said image of the objects in the foreground on ~~the~~ said ~~video~~ image of a the participant of the video program to obtain a combined image; ~~and~~

a user means for displaying ~~the~~ said combined image;

wherein a first input of ~~the~~ said user means for combining ~~the~~ said images is connected to an output of ~~the~~ said user connection unit;

a second input of said user means is connected to an output of ~~the~~ said user means for ~~forming~~ generating said images; and; and

an output of said user means is connected to an input of ~~the unit~~ said user means for displaying ~~the~~ said combined image.

14. (Currently Amended) A The system according to claim 13, ~~characterized in that it additionally comprises~~ further comprising:

a user control unit;

wherein an output of said user control unit ~~which~~ is connected to a corresponding input of the user connection unit; and a user control command processing unit disposed in the studio; and

wherein said user control unit is connected by two-way communication to the user connection unit and to the said means for generating said images forming an image.

15. (Currently Amended) A method for creating video programs in a video conference mode, said method comprising the steps of: based on video shooting and forming images with a computer, wherein

generating an image is formed by a plurality of computers, wherein said image is associated with each of for each of at least two spatially separated participants of a said video program, the said image including an image of objects of the a foreground and a background image, wherein said plurality of computers are linked through a telecommunication network;

at least the image of the foreground objects, formed by a computer, is displayed displaying to each of the participants of the video program; at least said image of the foreground objects to each of said at least two participants of said video program;

the providing a possibility of interacting with the displayed image of the foreground objects and changing to change the displayed image of the foreground objects to each of said at least two participants of said video program; is provided to each of the participants of the video program;

shooting each of said at least two participants of the video program is carried out with a video camera; during each of said at least two participants interaction with at least said objects of the foreground to obtain a video image of each of said at least two participants;



transmitting said a video image of each of said at least two participants is sent through the telecommunication network;

obtaining a received video image of each of said at least two participants; and displayed to the other participant;

characterized in that

the shooting of each participant of the video program is carried out in the process of the participant's interaction with at least the objects of the foreground of the image formed by a computer;

displaying said received video image corresponding to a first participant of said at least two participants to a second participant of said at least two participants;

displaying said received video image corresponding to said second participant of said at least two participants to said first participant of said at least two participants;

combining at said plurality of computers, the image of the foreground objects which are displayed to said first participant of said at least two participants a particular participant is combined for each of the participants with a the received video image of said second participant of the at least two participants another participant of the video program by superimposing said image of the foreground objects on said received video image of said second participant of the at least two participants to obtain a combined video image; and a participant of the video program and

a displaying said combined video image is displayed to each of the said at least two participants of the video program.

16. (Currently Amended) A The method according to claim 15, further comprising:  
characterized in that the

eliminating said background image, on which a participant of the video program is shot with a video camera, is cleaned from the received video image and replaced with a with said background image formed by a computer said plurality of computers or with any other image.

17. (Currently Amended) A method for creating video programs for registering the reactions of a user to an image displayed to the a user for studying and optimizing interfaces of computer programs and editing video films, said method comprising the steps of: wherein

*A1 cont'd*  
generating an image is formed, having transparent zones, wherein said generated image is formed by a computer;

displaying said generated image to the user;

the formed image is displayed to the user,

the user is shot with a video camera and a corresponding video image is obtained,

an output video signal is formed with use of the video image of the user and the formed image for subsequent analysis,

characterized in that

the shooting of the user, wherein said shooting is carried out performed in the process course of displaying the formed said generated image to the user with an aspect angle of approach of the said shooting, wherein said shooting provides a which provides the possibility of reproducing to reproduce in the an obtained video image a said reaction of the user to the image said displayed image; to the user,

combining said generated image with said obtained video image of the user by superimposing said generated image having said transparent zones with said obtained video image of the user; and

generating an output video signal from said obtained video image of the user and said generated image for subsequent analysis.

~~transparent zones are created in the image being formed,~~

~~the formed image is combined with the video image of the user by superimposing the formed image with the transparent zones on the video image of the user.~~

18. (Currently Amended) A The method according to claim 17, ~~characterized in that the image is formed by a computer;~~

wherein said generated image comprises an image of objects and a background image;  
and

wherein said background image is formed transparent when combined with said obtained video image of said user.

~~wherein the image comprises an image of the objects and a background image, the background image being formed transparent when combined with the video image of the user.~~

19. (Currently Amended) A The method according to claim 18, further comprising:  
~~characterized in that the user is provided with~~

providing to said user the a possibility to interact with said ~~of interacting with the objects~~  
~~of the displayed image formed generated image by the computer.~~

20. (Currently Amended) A The method according to claim 19, further comprising: any  
~~one of claims 17-19, characterized in that~~

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cancel*

registering data of a ~~the~~ psychophysiological condition of a said user during said possibility in the process of interaction with the displayed generated image ~~objects of the image~~ formed by the computer are additionally registered.

21. (Currently Amended) A The method according to claim 20, further comprising:  
~~characterized in that the~~

combining indications of the registered data ~~are combined~~ with the images of the video program.

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